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1. (cancelled)

2. (cancelled)

3. (re-presented – formerly dependent claim 3) A dual mode carpet cleaning machine having a deep cleaning mode and a surface cleaning mode comprising:

a selection mechanism to select between said deep cleaning mode and said surface cleaning

mode, wherein the selection mechanism comprises a ball valve having a first position and

a second position, an actuator attached to said ball valve such that operating said actuator

moves said ball valve from said first position to said second position, and from said

second position to said first position; and an indicator attached to said actuator, said

indicator having a first setting and a second setting such that said indicator displays said

first setting when the ball valve is in said first position and displays said second setting

when the ball valve is in said second position;

a solution pump outlet in fluid communication with said ball valve;

a deep clean jet tip in fluid communication with said ball valve such that when said ball valve is

moved to said first position said deep clean jet tip is in fluid communication with said

solution pump outlet; and

a fast dry jet tip in fluid communication with said ball valve such that when said ball valve is

moved to said second position said fast dry jet tip is in fluid communication with said

solution pump outlet.

Claims 4-34 (cancelled)

35. (original) The dual mode carpet cleaning machine of claim 3, wherein the fast dry jet tip delivers a liquid in a spray pattern with a width less than about 10.5 inches, preferably in the range of about 0.13 to 0.24 gallons per minute, more preferably 0.17 to 0.21 gallons per minute, and most preferably 0.19 gallons per minute.
36. (original) The dual mode carpet cleaning machine of claim 3, wherein the fast dry jet tip delivers a liquid in a spray pattern with a width greater than about 10.5 inches but less than about 12.5 inches, preferably in the range of about 0.19 to 0.32 gallons per minute, more preferably 0.25 to 0.30 gallons per minute, and most preferably 0.28 gallons per minute.
37. (original) The dual mode carpet cleaning machine of claim 3, wherein the fast dry jet tip delivers a liquid in a spray pattern with a width less than about 10.5 inches, in the range of about 24% to 44% the delivery of the deep clean jet tip.
38. (original) The dual mode carpet cleaning machine of claim 3, wherein the fast dry jet tip delivers a liquid in a spray pattern with a width greater than about 10.5 inches but less than about 12.5 inches, in the range of about 29% to 49% the delivery of the deep clean jet tip.

39. (currently amended) ~~The dual mode carpet cleaning machine of claim 1, further comprising:~~ A dual mode carpet cleaning machine having a deep cleaning mode and a surface cleaning mode comprising:

a selection mechanism to select between said deep cleaning mode and said surface cleaning mode, wherein the selection mechanism comprises a valve having a first position and a second position, an actuator attached to said valve such that operating said actuator moves said valve from said first position to said second position, and from said second position to said first position; and an indicator attached to said actuator, said indicator having a first setting and a second setting such that said indicator displays said first setting when the valve is in said first position and displays said second setting when the valve is in said second position;

31 a support housing, the selection mechanism being on the support housing;

a source of liquid on the support housing;

a first liquid discharging jet tip on the support housing, the first jet tip being in communication with the source of liquid through the selection mechanism;

a second liquid discharging jet tip on the support housing, the second jet tip being in communication with the source of liquid through the selection mechanism, the selection mechanism being operable to alternatively select one of the first jet tip and the second jet tip for communication with the source of liquid and for discharging liquid from the source of liquid.

40. (previously added) The dual mode carpet cleaning machine of claim 39, further comprising:

the first jet tip and the second jet tip having different liquid discharge flow rates.

41. (previously added) The dual mode carpet cleaning machine of claim 39, further comprising:

a first conduit communicating the first jet tip with the selection mechanism and a second conduit communicating the second jet tip with the selection mechanism.

42. (previously added) The dual mode carpet cleaning machine of claim 39, further comprising:

a spray nozzle chamber on the support housing, the spray nozzle chamber having an interior volume, and the first jet tip and the second jet tip being inside the spray nozzle chamber interior volume.

43. (previously added) The dual mode carpet cleaning machine of claim 42, further comprising:

a brush mounted on the support housing for movement of the brush relative to the support housing, the brush being positioned adjacent the spray nozzle chamber.

44. (previously added) The dual mode carpet cleaning machine of claim 43, further comprising:

a source of vacuum pressure on the support housing;

a vacuum nozzle on the support housing communicating with the source of vacuum pressure, the vacuum nozzle being positioned adjacent the brush.

45. (previously added) The dual mode carpet cleaning machine of claim 39, further comprising:

the source of liquid being a solution tank on the support housing.

46. (previously added) The dual mode carpet cleaning machine of claim 44, further comprising:

a liquid recovery tank on the support housing, the liquid recovery tank communicating with the source of vacuum pressure and the vacuum nozzle.

47. (currently amended) The dual mode carpet cleaning machine of claim 39, further comprising:

the selection mechanism including a ball valve that is movable between first and second positions, in the first position the ball valve communicates the source of liquid with the first jet tip and in the second position the ball valve communicates the source of liquid with the second jet tip.

48. (currently amended) The dual mode carpet cleaning machine of claim 47, further comprising:

the ball valve having a manually operable indicator that is moved between first and second positions ~~to move as~~ the ball valve is moved between the respective valve first and second positions.

49. (currently amended) The dual mode carpet cleaning machine of claim 47, further comprising:

a first conduit communicating the first jet tip with the ball valve and a second conduit communicating the second jet tip with the ball valve.

50. (previously added) The dual mode carpet cleaning machine of claim 49, further comprising:

a spray nozzle chamber on the support housing, the spray nozzle chamber having an interior volume, and the first and second jet tips being inside the spray nozzle chamber interior volume.

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51. (previously added) The dual mode carpet cleaning machine of claim 47, further comprising:

the source of liquid being a solution tank on the support housing.

52. (previously added) The dual mode carpet cleaning machine of claim 47, further comprising:

a source of vacuum pressure on the support housing;

a vacuum nozzle on the support housing communicating with the source of vacuum pressure.

53. (previously added) The dual mode carpet cleaning machine of claim 52, further comprising:

a liquid recovery tank on the support housing, the liquid recovery tank communicating with the source of vacuum pressure and the vacuum nozzle.

54. (currently amended) ~~The dual mode carpet cleaning machine of claim 1, further comprising:~~

A dual mode carpet cleaning machine having a deep cleaning mode and a surface cleaning mode comprising:

a selection mechanism to select between said deep cleaning mode and said surface cleaning mode, wherein the selection mechanism comprises a valve having a first position and a second position, an actuator attached to said valve such that operating said actuator moves said valve from said first position to said second position, and from said second position to said first position; and an indicator attached to said actuator, said indicator having a first setting and a second setting such that said indicator displays said first setting when the valve is in said first position and displays said second setting when the valve is in said second position;

a support housing, the selection mechanism being on the support housing;

a source of liquid on the support housing, the source of liquid communicating with the selection mechanism; and

a spray nozzle chamber on the support housing, the spray nozzle chamber being in communication with the source of liquid through the selection mechanism, ~~the selection mechanism being operable to alternatively select two modes of operation where in a first mode the spray nozzle chamber communicates with the source of liquid and discharges liquid at a first flow rate and in a second mode the spray nozzle chamber communicates~~

~~with the source of liquid and discharges liquid at a second flow rate, the second flow rate being less than the first flow rate; and~~

first and second conduits communicating the spray nozzle chamber with the selection mechanism, only the first conduit communicating with the source of liquid in the first position of the valve and only the second conduit communicating with the source of liquid in the second position of the valve.

55: (cancelled)

56. (previously added) The dual mode carpet cleaning machine of claim 54, further comprising:

B (a source of vacuum pressure on the support housing;

a vacuum nozzle on the support housing communicating with the source of vacuum pressure, the vacuum nozzle being positioned adjacent the spray nozzle chamber.

57. (previously added) The dual mode carpet cleaning machine of claim 56, further comprising:

a liquid recovery tank on the support housing, the liquid recovery tank communicating with the source of vacuum pressure and the vacuum nozzle.

58. (previously added) The dual mode carpet cleaning machine of claim 54, further comprising:

the source of liquid being a solution tank on the support housing.

Claims 59-65 (cancelled)

66. (presently amended) The dual mode carpet cleaning machine of claim 3 ~~4~~, further comprising:
a support housing;
an application and extraction section attached to the support housing;
a storage section attached to the support housing and in fluid communication with the application and extraction section; and
a removal section attached to the support housing.

β (67. (previously added) The dual mode carpet cleaning machine of claim 66, further comprising:
a vacuum nozzle in the application and extraction section;
a brush in the application and extraction section adjacent the vacuum nozzle; and
a motor operatively connected to the brush for moving the brush when the motor is operated.

68. (previously added) The dual mode carpet cleaning machine of claim 66, further comprising:
a solution pump in the storage section, the solution pump having an inlet and an outlet; and
a solution tank in the storage section, the solution tank being in fluid communication with the solution pump inlet.

69. (previously added) The dual mode carpet cleaning machine of claim 66, further comprising:

a vacuum pump in the removal section, the vacuum pump having an intake and an exhaust;

a vacuum head in fluid communication with the vacuum pump;

a removal conduit in fluid communication with the vacuum pump intake; and

a waste recovery tank in fluid communication with the vacuum exhaust.

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Please amend the above-identified application as set forth below.

In The Claims:

Please amend the claims as set forth below.

Please cancel claims 4-34 without prejudice.

Please add the following new claims:

~~33~~ (new). The dual mode carpet cleaning machine of claim 1, further comprising:

a support housing, the selection mechanism being on the support housing;

a source of liquid on the support housing;

A' a first liquid discharging jet tip on the support housing, the first jet tip being in communication with the source of liquid through the selection mechanism;

a second liquid discharging jet tip on the support housing, the second jet tip being in communication with the source of liquid through the selection mechanism, the selection mechanism being operable to alternatively select one of the first jet tip and the second jet tip for communication with the source of liquid and for discharging liquid from the source of liquid.

40 (new). The dual mode carpet cleaning machine of claim 39, further comprising:

the first jet tip and the second jet tip having different liquid discharge flow rates.

41 (new). The dual mode carpet cleaning machine of claim 39, further comprising:

a first conduit communicating the first jet tip with the selection mechanism and a second conduit communicating the second jet tip with the selection mechanism.

42 (new). The dual mode carpet cleaning machine of claim 39, further comprising:

A1 a spray nozzle chamber on the support housing, the spray nozzle chamber having an interior volume, and the first jet tip and the second jet tip being inside the [spray nozzle chamber] interior volume.

43 (new). The dual mode carpet cleaning machine of claim 42, further comprising:

a brush mounted on the support housing for movement of the brush relative to the support housing, the brush being positioned adjacent the spray nozzle chamber.

44 (new). The dual mode carpet cleaning machine of claim 43, further comprising:

a source of vacuum pressure on the support housing;

a vacuum nozzle on the support housing communicating with the source of vacuum pressure, the vacuum nozzle being positioned adjacent the brush.

~~45~~ (new). The dual mode carpet cleaning machine of claim 39, further comprising:

the source of liquid being a solution tank on the support housing.

~~46~~ (new). The dual mode carpet cleaning machine of claim 44, further comprising:

a liquid recovery tank on the support housing, the liquid recovery tank communicating with the source of vacuum pressure and the vacuum nozzle.

~~47~~ (new). The dual mode carpet cleaning machine of claim 39, further comprising:

A¹ the selection mechanism including a valve that is movable between first and second positions, in the first position the valve communicates the source of liquid with the first jet tip and in the second position the valve communicates the source of liquid with the second jet tip.

⇒ ~~48~~ (new). The dual mode carpet cleaning machine of claim 47, further comprising:

the valve having a manually operable indicator that is moved between first and second positions to move the valve between the respective valve first and second positions.

the valve having a manually operable indicator that is moved between first and second positions of the indicator to move the valve between the respective valve first and second positions.

~~61~~ (new). The dual mode carpet cleaning machine of claim 60, further comprising:

a first conduit communicating the valve with the nozzle chamber in the valve first position; and

a second conduit communicating the valve with the nozzle chamber in the valve second position.

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~~62~~ (new). The dual mode carpet cleaning machine of claim 1, further comprising:

a support housing;

a source of liquid on the support housing;

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a [?]deep clean jet tip on the support housing, the deep clean jet tip communicating with the source of liquid through the selection mechanism;

a [?]fast dry jet tip on the support housing, the fast dry jet tip communicating with the source of liquid through the selection mechanism; and

wherein the selection mechanism selectively places the deep clean jet tip and the fast dry jet tip in fluid communication with the source of liquid.

~~63~~ (new). The dual mode carpet cleaning machine of claim 62, further comprising:

the fast dry jet tip being constructed to deliver a liquid in a spray pattern at a rate in a range of about 24% to 44% of a rate that the deep clean jet tip delivers liquid.

↓ rate; slow?

~~64~~ (new). The dual mode carpet cleaning machine of claim 62, further comprising:

the fast dry jet tip being constructed to deliver about 40% of an amount of a liquid that the deep clean jet tip is constructed to deliver.

✓ fast, ~

A' ~~65~~ (new). The dual mode carpet cleaning machine of claim 64, further comprising:

the deep clean jet tip being constructed to deliver liquid at a first rate and the fast dry jet tip being constructed to deliver liquid at a second rate, the second rate being less than the first rate.

~~66~~ (new). The dual mode carpet cleaning machine of claim 1, further comprising:

a support housing;

an application and extraction section attached to the support housing;

a storage section attached to the support housing and in fluid communication with the application and extraction section; and

a removal section attached to the support housing.

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~~67~~ (new). The dual mode carpet cleaning machine of claim 66, further comprising:

a vacuum nozzle in the application and extraction section;

a brush in the application and extraction section adjacent the vacuum nozzle;

and

a motor operatively connected to the brush for moving the brush when the motor is operated.

~~68~~ (new). The dual mode carpet cleaning machine of claim 66, further comprising:

A¹ a solution pump in the storage section, the solution pump having an inlet and an outlet; and

a solution tank in the storage section, the solution tank being in fluid communication with the solution pump inlet.

~~69~~ (new). The dual mode carpet cleaning machine of claim 66, further comprising:

a vacuum pump in the removal section, the vacuum pump having an intake and an exhaust;

a vacuum head in fluid communication with the vacuum pump;

a removal conduit in fluid communication with the vacuum pump intake; and

a waste recovery tank in fluid communication with the vacuum exhaust.

~~49~~ (new). The dual mode carpet cleaning machine of claim 47, further comprising:

a first conduit communicating the first jet tip with the valve and a second conduit communicating the second jet tip with the valve.

~~50~~ (new). The dual mode carpet cleaning machine of claim 49, further comprising:

a spray nozzle chamber on the support housing, the spray nozzle chamber having an interior volume, and the first and second jet tips being inside the spray nozzle chamber interior volume.

A1 ~~51~~ (new). The dual mode carpet cleaning machine of claim 47, further comprising:

the source of liquid being a solution tank on the support housing.

~~52~~ (new). The dual mode carpet cleaning machine of claim 47, further comprising:

a source of vacuum pressure on the support housing;

a vacuum nozzle on the support housing communicating with the source of vacuum pressure.

~~53~~ (new). The dual mode carpet cleaning machine of claim 52, further comprising:

a liquid recovery tank on the support housing, the liquid recovery tank communicating with the source of vacuum pressure and the vacuum nozzle.

~~54~~ (new). The dual mode carpet cleaning machine of claim 1, further comprising:

a support housing, the selection mechanism being on the support housing;

a source of liquid on the support housing, the source of liquid communicating with the selection mechanism; and

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a spray nozzle chamber on the support housing, the spray nozzle chamber being in communication with the source of liquid through the selection mechanism, the selection mechanism being operable to alternatively select two modes of operation where in a first mode the spray nozzle chamber communicates with the source of liquid and discharges liquid at a first flow rate and in a second mode the spray nozzle chamber communicates with the source of liquid and discharges liquid at a second flow rate, the second flow rate being less than the first flow rate.

~~55~~ (new). The dual mode carpet cleaning machine of claim 54, further comprising:

first and second conduits communicating the spray nozzle chamber with the selection mechanism, the first conduit communicating with the source of liquid in the first mode of operation and the second conduit communicating with the source of liquid in the second mode of operation.

~~56~~ (new). The dual mode carpet cleaning machine of claim 54, further comprising:

a source of vacuum pressure on the support housing;

a vacuum nozzle of the support housing communicating with the source of vacuum pressure, the vacuum nozzle being positioned adjacent the spray nozzle chamber.

~~57~~ (new). The dual mode carpet cleaning machine of claim 56, further comprising:

A1 a liquid recovery tank on the support housing, the liquid recovery tank communicating with the source of vacuum pressure and the vacuum nozzle.

~~58~~ (new). The dual mode carpet cleaning machine of claim 54, further comprising:

the source of liquid being a solution tank on the support housing.

~~59~~ (new). The dual mode carpet cleaning machine of claim 54, further comprising:

the selection mechanism being a valve that is movable between first and second positions to select the respective first and second modes of operation.

⇒ ~~60~~ (new). The dual mode carpet cleaning machine of claim 59, further comprising: